ABSTRACT OF THE DISCLOSURE

In a screw compressor for a refrigerator, suction-side rotor shafts of screw rotors are supported rotatably by angular ball bearings for forward thrust load, an annular gap is formed between the angular ball bearings and a suction-side bearing casing, and outermost end faces of outer rings of the angular ball bearings are pressed through a spring member by means of a presser member fixed to an end face of the suction-side bearing casing, whereby the angular ball bearings are held movably in the thrust direction within the suction-side bearing casing. Discharge-side rotor shafts of the screw rotors are supported rotatably by angular ball bearings for forward thrust load and an angular ball bearing for reverse thrust load which are held at predetermined certain positions within a discharge-side bearing casing. A screw compressor which permits structural simplification, reduction of size, and lightening of a maintenance burden is provided.